



THE WEEK IN MOTOR CIRCLES — WITH TRADE AND OWNER —



MOTOR SPRINKLER PROVES TO BE MONEY SAVER FOR MAINLAND CITY

City of Phoenix, Arizona. Has One in Use at Present—Statistics Compiled Show That Automobile Sprinkler Takes Place of Twenty Mules—Motor Can Be Used on Both Day and Night Shifts—Radius of Sixty Feet is Flushed By Truck

From present indications nothing is to be left undone by the city of Phoenix that will stand in the way of civic advancement and municipal economy. The Board of Public Works of the Arizona metropolis is in the van, it has taken the initiative in the early adoption of the motor truck combination street sprinkler and flusher.

The motor truck has superseded the horse in the fire department, it has taken the place of the mule in the collection of garbage and various other departments of importance. Sanitary and economical street sprinkling and flushing is a question that has been given concentrated consideration by some of the most prominent commercial car engineers in the United States.

Moreland Makes Good.

There were many problems which seemed insurmountable, but they have all been solved by the big Moreland combination sprinkler and flusher now in regular service in the city of Phoenix. The truck is doing the work of 20 mules and half that number of drivers, an achievement that is easily understood when all conditions are considered.

In the first place the truck is equipped with a 1200-gallon tank, which is twice the capacity of the largest horse wagon in service. This

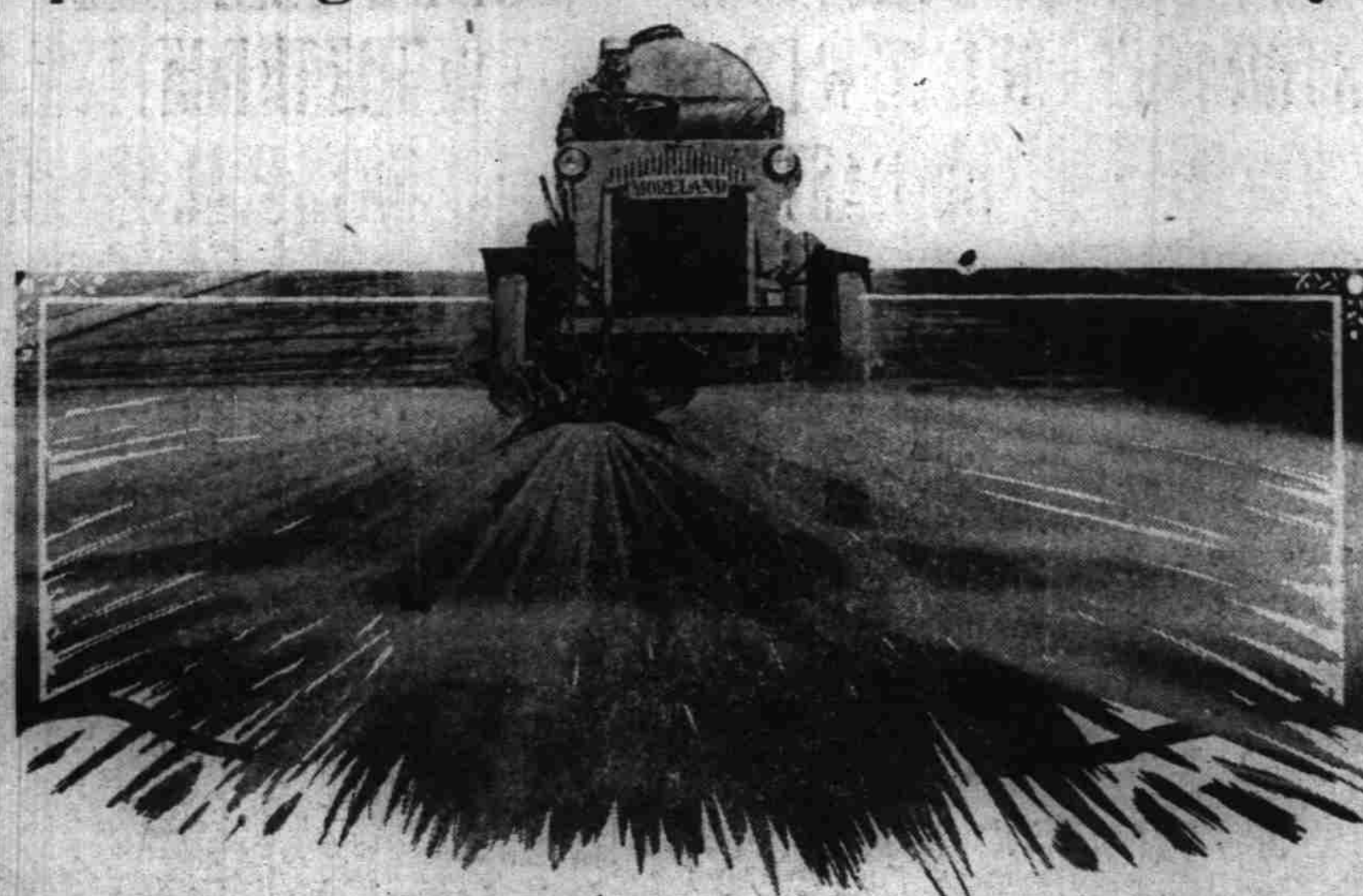
fact alone reduces the necessary stops for filling just one-half. Double Shifts.

The water is discharged from the truck under a 60-pound pressure, which is furnished by a two-stage centrifugal pump driven from the power of the motor, and the incoming water is taken into the tank at full force. A radius of 60 feet is flushed by the truck in against only 20 by the wagon, and the speed of the truck is more than double that of the horse equipment. A feature of the motor apparatus that brings its efficiency even into greater prominence is the fact that it can be operated on double shifts, being used for sprinkling in the day time and flushing at night.

The new sprinkler is equipped with the Moreland gasifier and distillate fuel is used exclusively. Its total cost of operation for the double shift will not exceed the cost of upkeep of two teams. The entire street is covered in one operation and nearly four times the territory is covered by the truck than is possible with a team.

The Chinese government has decided to equip two cotton mills with American machinery and has placed orders with American manufacturers and builders for machinery and plants valued at more than \$700,000.

Sprinkling Roads With Motor Truck Pays



Moreland auto truck in use sprinkling streets of city. This truck is shown cleaning a street for a distance of 60 feet. According to the city officials in Phoenix, Arizona, this truck will sprinkle streets of city in much less time than by the old system. Many cities are now using the street sprinkler motor truck, and find it pays.

BUFFALO BILL HAS RIDE IN CAR OWNED BY MILLER OF 101 RANCH

When J. C. Miller, owner of 101 Ranch Wild West Show, decides to invest in motor cars he shows no more emotion in the matter than in buying or selling longhorns on his Oklahoma ranch.

Last September, while the 101 show was playing Terre Haute, Miller walked into the salesroom of Harry Cole, peeled off three \$500 bills from a fat roll and drove away in a new Chalmers Six-40. The sequel to this purchase came while the show was in Detroit last week.

Miller appeared at the Chalmers factory, several blocks from where his tented city lay encamped, again consulted his pocketbook and produced a \$1000 bill and some odd hundred dollar bills.

Wanted Same Kind.

"I want the same brand of car I bought last fall," said the weather-beaten but wealthy circus proprietor. "This time I want a monogram on the tonneau doors. About six inches high

will do so the folks can read it from the sidewalk without straining their eyes."

The monogram painter was intercepted on his way home and returned to the paint shop to inscribe a plainly legible "101" on each side of the car. The new Chalmers Six-40 in a fashionable shade of maroon was turned over to its owner within an hour after purchase.

Buffalo Bill, Too.

First to test out the riding qualities of the car were Col. W. H. Cody, better known as "Buffalo Bill," who travels with the show, and Chief Wagon-Saga, who is considerably over 100 years of age.

Chief Wagon-Saga's countenance is perhaps the best known of any Indian in America. Before the new "buffalo" nickel issued by Uncle Sam was sent out from the mints the chief posed for the Indian likeness which decorates the obverse side of the coin. He is thus solidly commemorated in currency for the generations to come.

WAY TO MORE MILEAGE FOR OWNERS AND THOUGHTFUL DRIVERS OF CARS

Weight and distribution of car, power, gear ratio, speed and other points are considered by the car engineers and tire makers in determining the tire sizes necessary for equipment. It will be appreciated, however, that the usage of cars will vary on account of road conditions, drivers and for other reasons. Therefore it is reasonable to expect some trouble from the tire on a small percentage of cars, even though the equipment on a majority of the cars proves satisfactory in every respect.

When tires are loaded beyond their normal carrying capacity, the fabric is not only strained but develops more hinging action and heat at edges of tread. The materials employed in the manufacture of tires are limited in strength, like other articles, and when taxed beyond that point will not be efficient.

Oversize tires were primarily designed for the exceptional hard service, but have come into general favor

because of extra strength, easier riding cushion and longer mileage. In fact, experienced car owners specify the oversize tires, in many instances for original equipment of new cars. The resiliency of larger tires reduces the traction slippage on rear wheels, adds to comfort and lessens vibration to the mechanism of the car.

When oversize tires are placed on front wheels that were originally equipped with regular size tires, the overall diameter will be increased approximately one inch and the speedometer should be readjusted, otherwise the mileage recorded will be less than that actually traveled.

There is not enough added weight in oversize tires to affect transmission or differential or make any objectionable difference in the power. The advantages of oversize tires, without the inconvenience or expense of changing wheel equipment, are features which mean more certainty and pleasure to motorists.

OVERLAND TRUCKS USED IN TRANSPORTING MAIL

Writers of all kinds, especially newspaper reporters, frequently make use of the expression, "swamped by mail," cartoonists, too, dearly love to picture persons buried chin-deep in mail of all descriptions. But in reality such happenings are a rarity.

Yet an actual occurrence of that phenomenon has been taking place in Toledo for the past few weeks, postal authorities of that city declaring that they are literally buried under the tremendous amount of mail being sent broadcast by the Willys-Overland Company.

Each day load after load—veritable mountains of mail—are sent to the Toledo postoffice on Overland trucks.

On Friday, February 25, a new postal record was established, when 96,426 pieces of mail were sent out of the Overland plant. Of these but 40,000 were folders, circulars and catalogues. The remainder was composed of letters to all parts of the globe on Overland business.

Twelve thousand persons die of measles in the United States annually and 10,000 of whooping cough.

AUTO FENDERS and BODIES

Made to order for any make car.

K. MISHIMA

King St., near Punchbowl

Automobiles

—Either new or slightly used—will find buyers or sellers in the "Automobiles For Sale" columns of the Star-Bulletin. Early Copy Helps.

CENTRAL GARAGE TO EXPAND BUSINESS

Tentative plans are under way for the expansion of business and accommodations at the Central Garage, King and South streets, within the near future.

It is planned to erect a two-story addition in the rear of the present building for the accommodation and storage of motor cars. An up-to-date and complete line of automobile accessories and supplies will be installed for the convenience of their patrons, as well as the addition of other garage machinery and equipment.

When completed, these improvements will make the Central Garage one of the best equipped shops in the city and with their present reputation for good service can be called "The Service Shop" of Honolulu.

The Baltic sea's wreck record is one a day—greater than that of any other part of the world.

When that car gets balky
---Try our trouble man.

CENTRAL GARAGE

King and South Streets

"THE SERVICE SHOP"

Phone 2200



Saves Gasoline and Repair Bills Bulletin No. 1

We have sold enough Gaso-Tonic in the last two weeks to save Honolulu auto owners over 1000 gallons of Gasoline.

For cars under 30 horsepower, 5 cents worth of GASO-TONIC gives an average increase in mileage equivalent to one gallon of Gasoline. This applies to all Ford cars.

Contains no acids or alkalies, and is guaranteed not to injure the finest motor. Gaso-Tonic works the same with Distillate.

We are sole distributors for Hawaii.

Acetylene Light & Agency Co., Ltd.

South St. and Hustace Ave.

Phone 1144

FORD OWNERS!

Here's money in your pocket if you act NOW.

Monday, June 5th

We will place on sale, at
SPECIAL DISCOUNT
for this one day only

New Ford Tires

IN ALL STANDARD MAKES

Every Tire Fully Guaranteed

Kershner Vulcanizing Co., Ltd.

The Honolulu Rubber Works

1175 Alakea Street

Phone 2434

Proper Inflation Means Increased Mileage.

Model 75



Electric Lights
Electric Starter

\$750 Time \$725 Cash

MODEL 75 TOURING CAR ROADSTER

\$730 Time, \$705 Cash.

Wonderful Value

We build 1000 Overlands a day. Our factory is the largest motor car factory in the world. It contains 103 acres of floor space and employs over 16,000 men.

Working on such a tremendous scale, we can put better material into our cars and sell them at a price no other manufacturer could afford.

When you buy an Overland you get full benefit of the economies made possible by this enormous production.

Low in price—light in weight—economical to run—electric starter—electric lights—complete equipment—powerful, flexible on bloc engine—easy riding cantilever rear springs—deep, soft upholstery—every convenience and advantage.

Complete Catalogue on Request.



Schuman Carriage Co., Ltd.

Agents.

Honolulu

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